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In the Claims

Claims 1-46 (cancelled).

47. (currently amended) An integrated circuit comprising:

integrated circuit wiring over a semiconductive substrate;

an insulation layer enclosing the wiring and a bond pad opening extending into the insulation layer, the bond pad opening having sidewalls and partially exposing the wiring along the sidewalls;

a conductive layer comprising copper over the substrate and only partially filling the bond pad opening, the layer being on and in contact with the wiring where partially exposed from the insulation layer;

a layer of intermetallic material within the layer comprising copper, the intermetallic material layer comprising copper and palladium, [[and]] having a thickness of from about 50 to about 150 Angstroms, and defining a bond pad with an outermost surface that is topographically below an outermost surface of the insulation layer immediately surrounding the bond pad opening; and

a conductive connection on the intermetallic layer.

48. (previously presented) The integrated circuit of claim 47 wherein the intermetallic material consists of an intermetallic.

49. (previously presented) The integrated circuit of claim 47 wherein the intermetallic material is less susceptible to formation of metal oxide compared to copper.

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50. (previously presented) The integrated circuit of claim 47 wherein the layer comprising copper consists of copper aside from the intermetallic material layer.

51. (previously presented) The integrated circuit of claim 47 wherein the intermetallic material consists of copper and palladium.

52. (Cancelled)

53. (previously presented) The integrated circuit of claim 47 wherein about 150 Angstroms of the layer comprising copper is intermetallic material.

54. (Original) The integrated circuit of claim 47 wherein the conductive connection comprises an integrated circuit via or an integrated circuit wire bond.

55. (withdrawn) An integrated circuit comprising:
a semiconductive substrate;
a layer comprising Al over the substrate;
a layer of alloy material within the layer comprising Al, the alloy material layer comprising intermetallic Al-Pd; and
a conductive connection on the alloy layer.

56. (withdrawn) The integrated circuit of claim 55 wherein the alloy material consists of intermetallic Al-Pd.

57. (withdrawn) The integrated circuit of claim 55 wherein from about 50 to about 150 Angstroms of the layer comprising Al is alloy material.

58. (withdrawn) The integrated circuit of claim 55 wherein the conductive connection comprises an integrated circuit via or an integrated circuit wire bond.

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59. (currently amended) An integrated circuit comprising:
integrated circuit wiring over a semiconductive substrate;
an insulation layer enclosing the wiring and a bond pad opening extending
into the insulation layer, the bond pad opening having sidewalls and partially
exposing the wiring along the sidewalls;

a layer consisting of copper over the substrate and only partially filling the
bond pad opening, the layer being on and in contact with the wiring where
partially exposed from the insulation layer;

a layer of intermetallic material over the copper layer, the intermetallic
material layer consisting of copper and palladium, [[and]] having a thickness of
from about 50 to about 150 Angstroms, and defining a bond pad with an
outermost surface that is topographically below an outermost surface of the
insulation layer immediately surrounding the bond pad opening; and

~~a conductive connection~~ an integrated circuit wire bond on the
intermetallic layer.

60. (previously presented) The integrated circuit of claim 47 wherein
the thickness of the intermetallic material layer is sufficient to reduce oxidation of
the layer comprising copper.

61. (withdrawn) The integrated circuit of claim 55 wherein a thickness
of the alloy material layer is sufficient to reduce oxidation of the layer comprising
Al.

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62. (previously presented) The integrated circuit of claim 59 wherein the thickness of the intermetallic material layer is sufficient to reduce oxidation of the layer consisting of copper.